

A NEW SPECIES OF THE GENUS *PTYGOMASTAX* B.-BIENKO FROM SICHUAN, CHINA (ORTHOPTERA, EUMASTACOIDEA, EUMASTACIDAE)

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Abstract A new species of the genus *Ptygomastax* B.-Bienko, 1959 collected from Sichuan, China, i. e. *P. abaensis* sp. nov. is described in this paper. The new species is similar to *P. heimahoensis* Cheng et Hang, 1974, but differs in frontal ridge nearly parallel, antennae 15 joints and hind tibia with 15–17 spines. The type specimen is deposited in the College of Plant Protection, Shandong Agricultural University, Taian, Shandong.

Key words Orthoptera, Eumastacoidea, Eumastacidae, *Ptygomastax*, new species.

The genus *Ptygomastax* B.-Bienko, 1959 belonging to Eumastacidae of Eumastacoidea (B.-Bienko, 1959) includes 3 species distributed in Gansu and Qinghai of China only (Cheng et al., 1979; Yin, 1984; Eades et al., 2012). During identifying the grasshopper specimens collected from Sichuan, China in 2011, a new species *Ptygomastax abaensis* sp. nov. was found and described below. The type specimen is deposited in the College of Plant Protection, Shandong Agricultural University, Taian, Shandong.

***Ptygomastax abaensis* sp. nov.** (Figs 1–6)

Female. Size small. Head shorter than pronotum. Face sloping slightly in lateral view. Vertex broad, the width is about 1.4 times width of eye in dorsal view. Frontal ridge sulcated, nearly parallel on both sides. Antennae filiform, 15 joints, length of a segment in the middle of antennae is about 1.5–2.0 times width, antennae organ situated on the twelfth segment. Eye elliptic, vertical diameter shorter than the length of subocular groove. Pronotum with distinct median keel, lateral carinae irregularly curved, posterior margin concaved in the middle. Upper keel of hind femur smooth, apex without spine. Hind tibia with 15–17 spines on inner and outer sides. First joint of hind tarsus longer than second and third joints together

in length. Upper ovipositor valve with teeth on upper side; lower ovipositor valve hooked at the end, its base of lower side with teeth.

Measurement in mm. ♀. Length of body 17.6; length of antennae 3.5; length of pronotum 2.1; length of hind femur 11.7.

Male. Unknown.

Holotype ♀, Sichuan, Aba (32° 53' N, 101° 28' E; alt. 3 443 m), 24 Aug. 2011, collected by YE Bao-Hua.

Diagnosis. The new species is similar to *Ptygomastax heimahoensis* Cheng et Hang, 1974. The major differences are listed in Table 1.

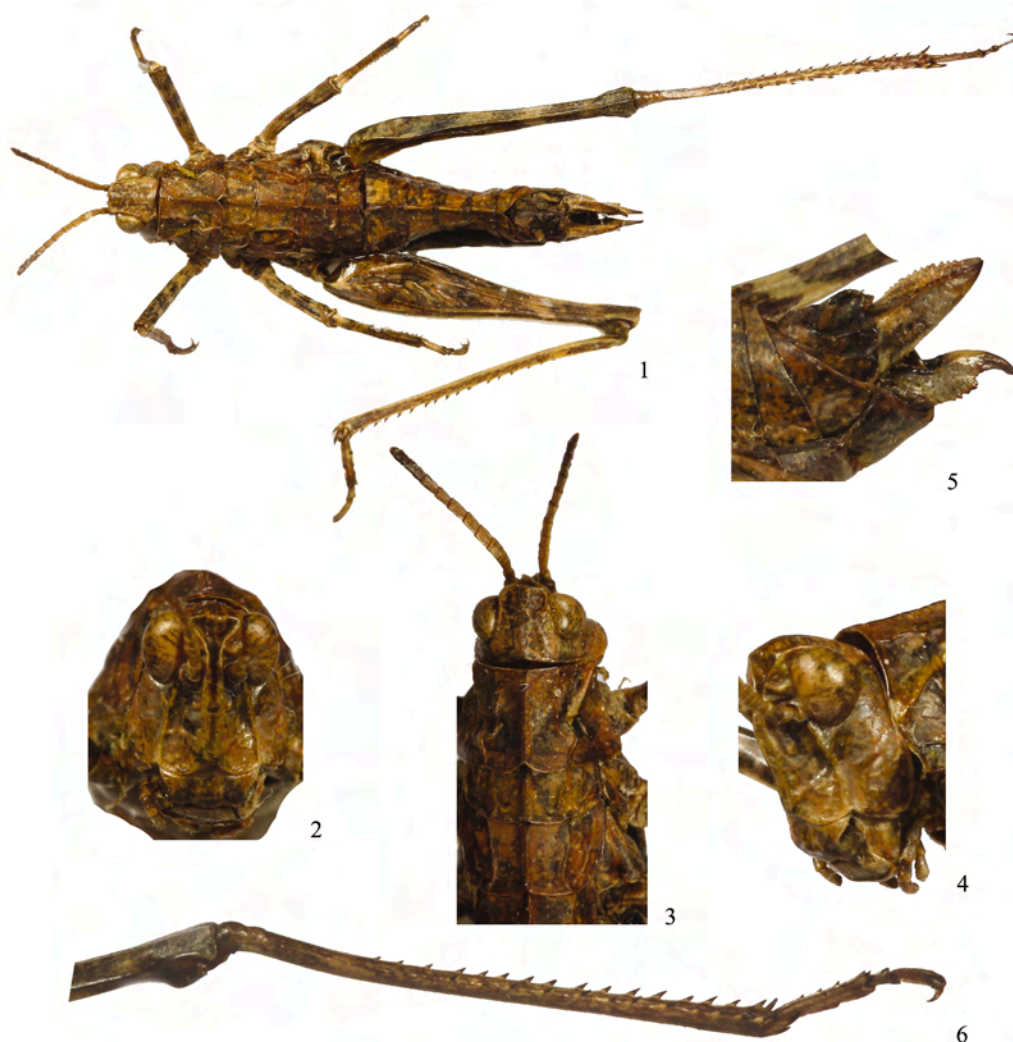
Etymology. The specific epithet is named for Aba, the type locality.

Table 1. Comparison of the characters between *Ptygomastax abaensis* sp. nov. and *P. heimahoensis* Cheng et Hang, 1974.

| Characters | <i>Ptygomastax abaensis</i> sp. nov. | <i>P. heimahoensis</i> Cheng et Hang, 1974 |
|---------------|--------------------------------------|--|
| Frontal ridge | Nearly parallel | Widened between antennae |
| Antennae | 15 joints | 13 joints |
| Hind tibia | 15–17 spines | 10–14 spines |

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Figs 1 – 6. *Pygomastax abaensis* sp. nov., ♀. 1. Body, dorsal view. 2. Frontal ridge. 3. Head and pronotum, dorsal view. 4. Eye. 5. Ovipositor valves, lateral view. 6. Hind tibia.

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中国四川褶蝻属一新种 (直翅目, 蝻总科, 蝻科)

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摘 要 记述了采自四川的褶蝻属 *Pygomastax* B. -Bienko, 1959 1 新种, 阿坝褶蝻 *Pygomastax abaensis* sp. nov., 新种同黑马河褶蝻 *Pygomastax heimahoensis* Cheng et Hang, 1974 近似, 不同之处为: 颜面隆起几何平行; 触角 15 节; 后足胫节具 15 ~ 17 刺。

关键词 直翅目, 蝻总科, 蝻科, 褶蝻属, 新种.

中图分类号 Q969.26

正模 ♀, 四川阿坝, 海拔 3 443 m, 2011-08-24, 叶保华采。

雄性 未知。

词源: 新种种名源自模式标本产地地名。

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